

Description

IMPROVED FUSE AND RELAY PULLER

BACKGROUND OF INVENTION

- [0001] The invention relates to an improved fuse and relay puller, consisting of a puller especially adapted to handle given electronic components such as fuses and relays due to the fact that it adjusts to characteristic shapes and dimensions thus making it possible to manipulate said elements in boxes and housings not easily accessible.
- [0002] For this reason, the present invention will be of special interest for the manufacturers and suppliers of the electric connections equipment sector, as is the case of the auxiliary devices used for the automobile industry.
- [0003] Currently, the fast and quick performance of electric interconnections is a requirement in the majority of the auxiliary industries where an assembly time reduction is required, which has spurred the development of new types of connectors. In addition, when handling the different components normally used in this industry, such as relays and fuses, it is necessary to work very quickly in

assembly and disassembly operations. Furthermore, the physical space limitations make it difficult or impossible on numerous occasions to directly reach said components, their handling requiring specific instruments, such as is the case of the present improved fuse and relay puller.

- [0004] On one hand, the improved fuse and relay puller described below solves drawbacks associated with known pullers in the State of the Art. On the other hand, in one instrument, it groups the operative functions which required several pullers or instruments, permitting handling both fuses and relays with the same instrument.
- [0005] In addition, its simple structure makes this instrument an easily acceptable tool, which can also be supplied and stored with a supply of electronic and electromechanical equipment as a very simple, easy to store and of low cost auxiliary tool given the wide variety of applications for which it can be used.
- [0006] **DISCLOSURE OF THE INVENTION**
- [0007] As a result, the present invention, improved fuse and relay puller, fundamentally consists of two parts, coinciding with both ends of a main puller body, one intended for extracting fuses and the opposite intended for extracting

relays. On said puller, the main body shape thereof is of a profile composed of two lateral and parallel beams joined together by means of a set of ribs, such that both ends of the puller end in respective elongations of said beams or lateral profiles, forming different protrusions enabling holding different elements or electronic components, such as fuses and relays.

[0008] On the other hand, the main body of the puller has grooved surface areas so as to aid in holding the puller during use, its length being long enough to aid in reaching distant or hard to reach fuses and relays.

BRIEF DESCRIPTION OF DRAWINGS

[0009] Figure 1 shows a perspective view of an improved fuse and relay puller.

DETAILED DESCRIPTION

[0010] Next, a detailed description of the improved fuse and relay puller of the present invention will be given with reference to the attached drawing which, as a non-limiting example, shows a preferred embodiment susceptible to all those variations in detail which do no imply any fundamental alteration of the essential features of said invention.

[0011] According to the preferred embodiment example shown, the improved fuse and relay puller substantially comprises two parts, coinciding with both ends of a main puller body (1), one intended for extracting fuses (2) and the opposite intended for extracting relays (2). On said puller, the shape of the main body (1) thereof is a profile composed of two lateral and parallel beams joined together by means of a set of ribs, such that on both ends (2), the puller ends in respective elongations of said beams or lateral profiles, form different protrusions which enable holding different elements or electronic components, such as fuses and relays.

[0012] Additionally, the main body of the puller (1) has grooved surface areas (3) in order to aid in gripping while performing operations with it, its length being long enough to aid in reaching distant or hard to reach fuses and relays.

[0013] Lastly, the shape, materials and dimensions can vary without departing from the scope or spirit of the invention